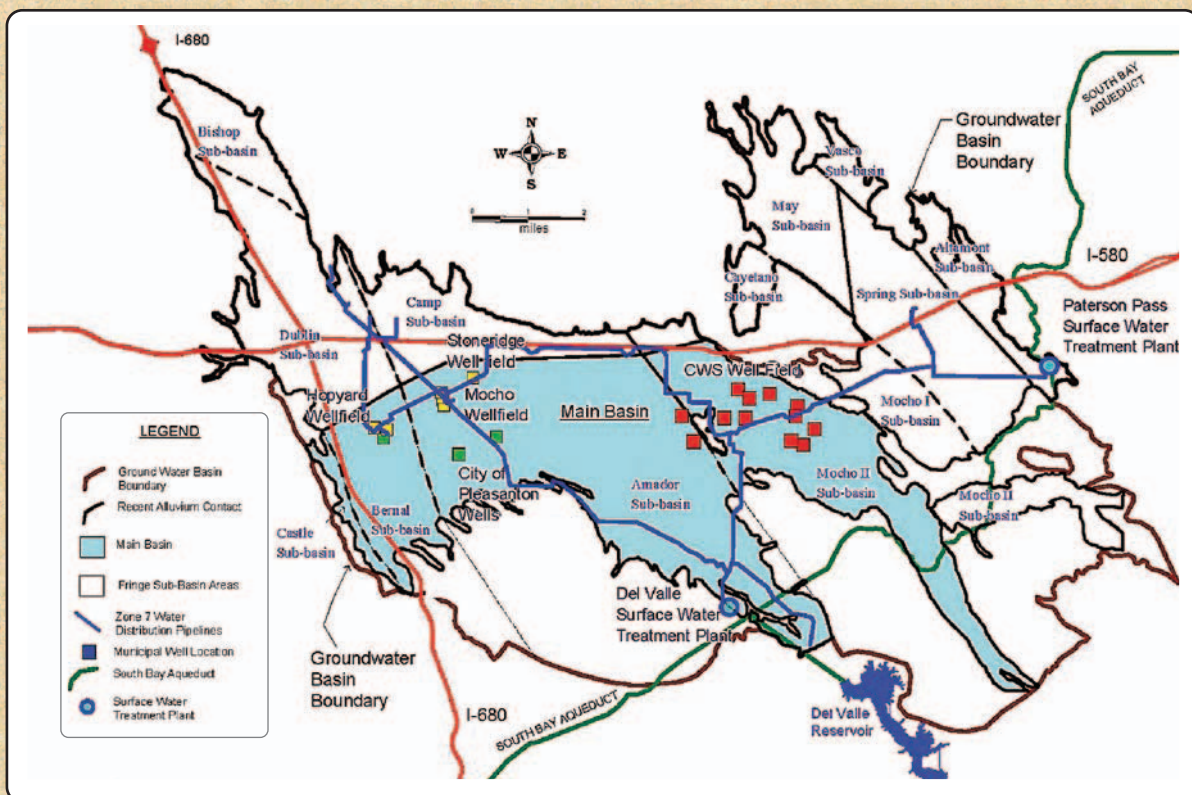


# GROUNDWATER MANAGEMENT PLAN

## FOR LIVERMORE-AMADOR VALLEY GROUNDWATER BASIN



SEPTEMBER 2005

Prepared for:



Zone 7 Water Agency

Prepared by:



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**Groundwater Management Plan  
for Livermore-Amador Valley  
Groundwater Basin**

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# Contents

	Page
<b>Executive Summary .....</b>	<b>ES-1</b>
<b>Chapter 1 Introduction.....</b>	<b>1-1</b>
1.1 Alameda County Flood Control and Water Conservation District .....	1-1
1.2 Zone 7 Water Agency.....	1-2
1.3 Zone 7's Groundwater Management.....	1-3
1.4 Groundwater Basin Management Objectives.....	1-3
1.5 Purpose of Zone 7's GMP .....	1-6
1.6 GMP Components.....	1-6
<b>Chapter 2 Background.....</b>	<b>2-1</b>
2.1 History of Previous Area Investigations.....	2-1
2.2 Zone 7 Water Supply and Management.....	2-4
2.3 Overview of Zone 7's Basin Management.....	2-5
<b>Chapter 3 Water Resources .....</b>	<b>3-1</b>
3.1 Description of Zone 7 Groundwater Basin .....	3-1
3.1.1 Overview.....	3-1
3.1.2 Hydrogeology .....	3-2
3.1.3 Aquifer Zones .....	3-3
3.1.4 Main Basin.....	3-4
3.1.5 Main Basin Sub-Basins .....	3-5
3.2 Groundwater Levels and Storage.....	3-7
3.3 Groundwater Recharge .....	3-8
3.4 Water Use .....	3-9
3.5 Groundwater Quality .....	3-9
<b>Chapter 4 Management Plan Elements .....</b>	<b>4-1</b>
4.1 Groundwater Management Goal .....	4-1
4.2 Resource Management and Other Planning Efforts.....	4-1
4.3 Stakeholder Involvement.....	4-3
4.3.1 Involving the Public.....	4-3
4.4 Development of Relationships with State, Federal, and Local Agencies.....	4-4
4.5 Monitoring Programs and Protocols .....	4-5
4.5.1 Climatological Monitoring .....	4-8
4.5.2 Groundwater Elevation and Quality Monitoring .....	4-10

4.5.3	Surface Water Flow and Quality Monitoring .....	4-13
4.5.4	Land Surface Elevation and Inelastic Subsidence Monitoring .....	4-19
4.5.5	Mining Area Monitoring .....	4-22
4.5.6	Land Use Monitoring .....	4-24
4.5.7	Groundwater Production .....	4-25
4.5.8	Wastewater and Recycled Water Monitoring .....	4-26
4.6	Basin Evaluation Programs .....	4-28
4.6.1	Introduction .....	4-28
4.6.2	Recharge Calculations .....	4-28
4.6.3	Hydrologic Inventory and Water Balance .....	4-29
4.6.4	Groundwater Basin Storage .....	4-30
4.6.5	Salt Balance .....	4-30
4.7	Basin Management .....	4-32
4.7.1	Introduction .....	4-32
4.7.2	Key Wells .....	4-33
4.7.3	Supply and Demand Simulation Modeling .....	4-33
4.7.4	Groundwater Modeling .....	4-34
<b>Chapter 5</b>	<b>Plan Implementation .....</b>	<b>5-1</b>
5.1	Groundwater Management Program .....	5-1
5.1.1	Introduction .....	5-1
5.1.2	Salt Management .....	5-1
5.1.3	Integrated Water Resources/ Conjunctive Use .....	5-2
5.1.4	Groundwater Resource Protection .....	5-3
5.2	Future Review of This Groundwater Management Plan .....	5-8
5.3	Public Hearings and Plan Adoption .....	5-9
5.4	Actions .....	5-10
<b>Chapter 6</b>	<b>References .....</b>	<b>6-1</b>
6.1	Printed References .....	6-1
<b>Appendix A</b>	<b>Wells in 2005 Monitoring Program</b>	
<b>Appendix B</b>	<b>Toxic Site Surveillance Program Areas for Livermore, Pleasanton, and Dublin Areas</b>	
<b>Appendix C</b>	<b>Standard Operating Procedures</b>	
<b>Appendix D</b>	<b>Executive Summary of Salt Management Plan</b>	
<b>Appendix E</b>	<b>Resolutions and Policy Statements</b>	

# Tables and Figures

<b>Table</b>	<b>On Page</b>
4-1 Monitoring Programs and Protocols .....	4-6
4-2 Precipitation Network.....	4-9
4-3 Evaporation Network .....	4-10
4-4 Water Quality Monitoring Constituents .....	4-12
4-5 2004 Surface Water Program Sites .....	4-14
4-6 Land Surface Elevation Monitoring Survey Points and Descriptions .....	4-20
4-7 Annual Supply and Demand .....	4-30
4-8 Main Basin Relative Salt Loading Sources, 1998 Water Year Controllable Portion of the Total Salt .....	4-32

<b>Figure</b>	<b>Follows Page</b>
1-1 Zone 7 Service Area Boundary.....	1-2
1-2 Livermore-Amador Valley Groundwater Basin Boundaries .....	1-4
3-1 Groundwater Basin Map—Annual Monitoring Report.....	3-2
3-2 Historic Low Water Levels in the Deep Aquifer .....	3-8
3-3 Stream Recharge Rates and TDS .....	3-8
3-4 Water Operations Plan .....	3-10
4-1 Groundwater Program Wells 2003 Water Year .....	4-8
4-2 Map of Climatological Network .....	4-8
4-3 Locations of Sites in 2004 Surface Water Program.....	4-14
4-4 Benchmark Locations .....	4-20
4-5 Location of Gravel Mining Pits .....	4-24
4-6 Livermore Valley Land Use 2004 Water Year .....	4-24
4-7 Land Use and Wastewater Disposal Changes Over 35 Years .....	4-28
4-8 Key Index Wells .....	4-34

# Acronyms and Abbreviations

µg/l	micro grams per liter
1987 GWMP	Statement on Zone 7 Groundwater Management, approved by the Zone 7 Board on August 19, 1987
AB	Assembly Bill
ACEH	Alameda County Environmental Health
ACFCWCD	Alameda County Flood Control and Water Conservation District
af/y	acre-feet per year
afa	acre feet annually
ASR	aquifer storage and recovery
bgs	below ground surface
BMOs	basin management objectives
Board	Alameda County Flood Control and Water Conservation District Zone 7 Board of Directors
BTEX	benzene, toluene, ethylbenzene, xylene
CEQA	California Environmental Quality Act
CIMIS	California Irrigation Management Information System
Corps	U.S. Army Corps of Engineers
CWS	California Water Service Company
Delta	Sacramento–San Joaquin River Delta
DERWA	Dublin–San Ramon Services District–East Bay Municipal Utility District Recycled Water Authority (the JPA that handles the San Ramon Valley Recycled Water Program)
DFG	California Department of Fish and Game
DHS	California Department of Health Services
District Act	California Uncodified Water Act
DSRSD	Dublin–San Ramon Services District
DWR	California Department of Water Resources
DWSAP	Drinking Water Source Assessment and Protection
EC	electrical conductivity
GAMA	Groundwater Ambient Monitoring and Assessment
GMAC	Groundwater Management Advisory Committee
GMP	Groundwater Management Plan (this document)
gpm	gallons per minute
GPP	Groundwater Protection and Projects Section at Zone 7

GWMP	1987 Groundwater Management Policy (Statement on Zone 7 Groundwater Management, adopted August 19, 1987)
LAVWMA	Livermore-Amador Valley Waste Management Agency
LDV	Lake Del Valle
LIA	local implementing agency
LLNL	Lawrence Livermore National Laboratory
LUFT	leaking underground fuel tanks
LWRP	Livermore Water Reclamation Plant
M&I	Municipal and Industrial
MCL	maximum contaminant limit
mg/l	milligrams per liter
MOU	Memorandum of Understanding
MtBE	Methyl tertiary-Butyl Ether (gasoline additive)
NPDES	National Pollutant Discharge Elimination System
O&M	operations and management
PCE	tetrachlorethene
QA/QC	quality assurance/quality control
RMC	Raines, Melton & Carella, Inc.
RWQCB	California Regional Water Quality Control Board— San Francisco Bay Region
SB	Senate Bill
SBA	South Bay Aqueduct
SFPUC	San Francisco Public Utilities Commission
SMMP	Stream Management Master Plan
SMP	Salt Management Plan
State Water Board	State Water Resources Control Board
Supply Reliability Policy	Resolution No. 04-2662, Reliability Policy for Municipal & Industrial Water Supplies, August 18, 2004
SWAMP	State Wide Ambient Monitoring Program
SWP	State Water Project
taf	thousand acre-feet
TAG	technical advisory group
TBA	tertiary-butyl alcohol
TCE	trichloroethene
TDS	total dissolved solids
TPHd	TPH from diesel
TPHg	total petroleum hydrocarbon from gasoline
TVG	Tri-Valley Retail Group
TVRGIS User Group	Tri-Valley Regional Geographic Information Systems User Group



USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VA	Veterans Administration
VOCs	volatile organic compounds
Water Quality Policy	Resolution No. 03-2494, Water Quality Policy for Potable and Non-potable Water, April 16, 2003
WMP	Wastewater Management Plan
WR	Water Rights
WRE	Water Resources Engineering Section at Zone 7
Z7sim	Zone 7's supply and demand simulation model
Zone 7	Zone 7 Water Agency